## INTERNATIONAL SEARCH REPORT

Internal al Application No PCT/EP2005/051544

A.	CLA	SSIFICATION	OF SUBJECT	MATTER	
I	C	7 H01F	OF SUBJECT 27/42	H02M1/	80

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01F H02M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

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Х	US 2003/214770 A1 (SCHIMANEK ERNST ET AL) 20 November 2003 (2003-11-20) the whole document	8
X	GB 21714 A A.D. 1899 (CHARLES EDWARD GLASCODINE SIMONS) 27 October 1900 (1900-10-27) the whole document	9-11
A	US 5 553 939 A (DILHAC ET AL) 10 September 1996 (1996-09-10) the whole document	1-11
A	EP 0 961 379 A (SEMIKRON ELEKTRONIK GMBH) 1 December 1999 (1999-12-01) claim 1	1-11

Further documents are listed in the continuation of box C.	Y Patent tamily members are listed in annex.
Special categories of cited documents:  'A' document defining the general state of the lart which is not considered to be of particular relevance.  'E' earlier document but published on or after the international filing date.  'L' document which may throw doubts on priority ctaim(s) or which is cited to establish the publication date of another citation or other special reason (as specified).  'O' document referring to an oral disclosure, use, exhibition or other means.  'P' document published prior to the international filing date but tater than the priority date claimed.	<ul> <li>'T' later document published after the international filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the invention</li> <li>'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>'&amp;' document member of the same patent family</li> </ul>
Date of the actual completion of the international search	Date of mailing of the international search report
22 July 2005	01/08/2005
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL ~ 2280 HV Riiswilk	Authorized officer
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